

1904

July 4 - Dec. 19

New Mexico

Texas - Big Thicket

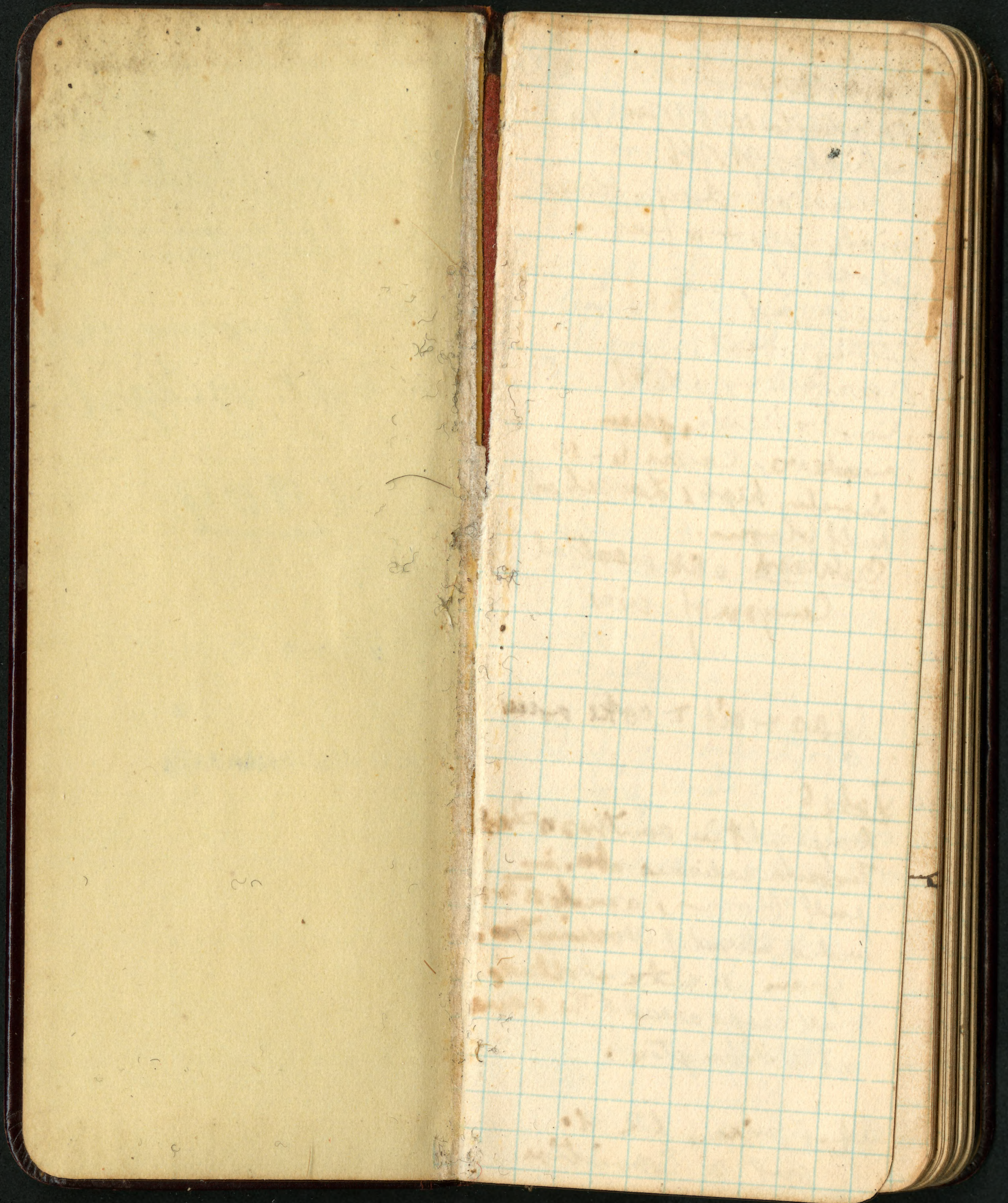


*hwy*  
Vernon Bailey  
Washington D.C.  
1834, Kalorama Ave  
or Dept. of Agrl.

1904

Vernon Bailey,  
U. S. Dept. of Agrl.  
1834 KALORAMA AVE







July 4, 1904

Left Washington 11.05 A.M. / 24  
Trus Piekas, N.M.

A clear hot day, foliage  
rich, rye + wheat in  
stocks

Cumberland 3.05

Cutting wheat

Deer Park 4.41

Cool + fresh, green  
meadows, corn 6-10  
inches high, Laurel in  
full bloom.

Oakland still beautiful  
Canyons of river

Gas + oil + coke over

July 5

Daylight in southern Ind.  
*Lesqueris radicans* abn. in  
full bloom, a week or two  
weeks ahead of Washington.

Grain all cut + stacked,  
+ all crops ahead of the same  
at Washington.

St. Louis, 12 M.  
out to Exposition

July 6 Kansas City at  
8 A.M. Mo. River.  
Rivers high.

Topoka 12

Osage City

A few western plants  
Hoods all along  
the Cottonwood R.

July 7.

Lafayette, daylight

*Sarcobatus* abn

*Atriplex canescens*

*Bigelovia*

*Tetradymia*

*Gutierrezia*

*Atriplex confertifolia*

*Eurotia lanata* ?

*Opuntia arborescens*

Cottonwood along stream

Willows

*Gouera leptophylla*

*Artemisia*

Alfalfa good

Apples

Cherries



Pueblo, July 7.

Out to park east of town

*Opuntia arborescens*, abn. in flower

" flat, white spines, abn.

*Yucca glauca*, on hill

*Atriplex canescens* abn.

" *confertifolia* abn.

*Artemisia* dwarf. on hills.

*Gutierrezia euthamiae?* abn.

*Malvastrum microcarpum*

*Argemone*

*Mentzelia*

*Salsola* little yellow

*Gamma* grass

Pueblo July 7.

*Sturnella neglecta*

*Icterus bullocki*

*Pica hudsonica* - 1/10 mi. E. of town.

*Chordeiles v. heurys* a few seen

*Chondestes* com

*Carpodacus frontalis* "

*Spizella arizonae* 1

*Dendroica aestiva* in park

*Contopus richardsoni* 2 "

*Tyrannus verticalis* 2 "

*Mimus polyglottos* 2

*Zenaidura* com

*Callipepla squamata* 1

*Paspalum domesticum* abn.



July 8

Left Pueblo at 12:20 AM.  
Walsenburg, still dark

Zalata Pass on station 9242

averages 9300 + 10400

*Pinus murrayana*

*Abies*

*Picea*

*Populus tremuloides*

*Arctostaphylos uva-ursa*

*Salix*

big park, meadows,  
little stream, & spring

A beautiful place to camp

*Cynomys gunnisoni*

Lower down on warm slopes

*Pinus ponderosa*

*Pseudotsuga*

*Betula occidentalis* elongata

*Artemisia tridentata*

*Juniperus*

8500 ft.

*Pinus monophylla*

" "

*Cercocarpus*

" "

*Populus angustifolia*

" "

Garland

8300

Upper Sonoran plain

*Sarcobatus*

*Bignoniaceae*

~~*Lepus campestris*~~

*Lutra*

*Opuntia* white spine

*Gutierrezia*

*Lepus campestris* 4

*Cynomys gunnisoni* com

Alamosa 6:15, 7900

Antonito 8250

Side of Ute Peak 8600

Tras Piedras (8500)  
Corrected & set 29:55 (8088)

Brink of Canyon 7100

Tell House 6650

Top of mesa 7400

Taos 7 PM, 7100

July 9. Out to Martinez

July 10 Sunday,  
staid at Phillips' place  
Went out to Pueblo to meet  
head men for talk.



July 11,

Out to camp above Pueblo

aneroid 7100 in Taos

" 7400 at camp

July 12 To Taos & back.



July 14 Camp 7 7400

mouth of Louisa Canyon 8300

Juniperus	-8000 <sup>NE.</sup>
Pinus edulis	-8500 <sup>SW</sup>
Abies concolor	8200 <sup>NE.</sup> - 10500 <sup>SW</sup>
Picea pungens	8200 <sup>NE.</sup> - 10500 <sup>SW</sup>
Pinus flexilis	8300 <sup>NE.</sup> - 10500 <sup>SW</sup>
Pseudotsuga	8200 <sup>NE.</sup> - 10500 <sup>SW</sup>
Acer glabrum <sup>angustum</sup>	8300 -
Populus angustifolia	- 8300?
Cornus	
Alnus	7200 -
Betula	- 8300
Philadelphus	8300 -
Quercus	7200 - 10100
Rhus aromatica	- 8500 <sup>SW</sup>
Ribes cereum	- 10100
"	black
" d. irriguum	7400 -
Physocarpus	
Populus tremuloides	8300 <sup>NE.</sup>
Amelanchier	- 10100
Cercocarpus	7500 - 8500
Prunus	7200 - 10100
Berberis aspera	8400 <sup>SW</sup> - 10100 <sup>SW</sup>
Pachystima	" -
Pinus ponderosa	8500 <sup>SW</sup> - 10100
Rubus nutkanus	8300 -
Arctostaphylos manzanita	8500 <sup>SW</sup> - 10100



Rosa	-101000
Pteris	8500-10000
Calla canthos	8300-
Fragaria spiciosa	8910-10500
Voratum	" -11000
• Lonicera involucrata	" -
• Symphoricarpos	7400-10100
• Aquilegia canadensis	9400-11000
Callospermophilus	8500-
Cyanocitta	"
Circus	"
Dendrocygus	9500
Colanthe foveolata	9900
Thomomys	"
Junco perispermus	7400-
Acrostichum	7400-
Potentilla fruticosa	9900-
Ribes	spring 9900-
" sanguineum	1000-
Orthocarpus	yellow 9900-
Sambucus	9500-
Pyrus sambucifolia	" -
Wyethia	orange 9900-
Dodocatheon	10000-
Saxifraga punctata	"
Pedicularis grandiflora	10500-
Cattha leptocarpa	"
Vaccinium microphyllum	"
Geum triflorum	"
Rhododora rosea	"

Rhododora	10500-
Polygala vivipara	"
Zinnia	"
Schuerstia	"
Myrtensia alpina	"
Polygala bistorta	"
<u>Bier-Lala</u>	12000
<u>Zimbiskens</u>	12300
<u>Ridge</u>	12700
Myarotis	
Silene	
Phlox	
Artemisia	
Orthocarpus	crimson
Geum rossi	
Pinus aristata	12000-12300
Abies lasiocarpa	10500 -
Picea engelmannii?	- "
Pinus ponderosa SW	- 10100
Abies concolor	- 10500
Picea pungens	- "
Gilia aggregata	- 10100
Pentstemon	scarlet -
Coronilla	- 10000
Cercocarpus	- 98000 <sup>548</sup>



7400 feet

\*  
Populus angustifolia

- 8500

Pinus edulis

- 8700<sup>500</sup>

Juniperus

- 8700<sup>500</sup>

Acer glabrum

- 8500

Camp - badito, 7700

-

July 18 Camp, above Pueblo

Populus angustifolia

Picea pungens a few by stream

Abies concolor "

Pseudotsuga "

Juniperus

Pinus edulis,

Alnus

Salix

Negundo aceroides

Prunus virginiana

" plur

Clematis

Quercus gambelii

Acer glabrum

Rosa

Fallugia paradoxa

Cercocarpus parvifolius

Artemisia tridentata

Bigelovia parvifolia

Glycerhiza aspidota

Yucca elata abn.

Lupinus

Astragalus

Symphoricarpos

Rhus trilobata

Ribes cereum

" d. virgatum



Laos

*Ardea herodias* 1  
*Falco sparverius*  
 " *mexicanus* 1 in canyon  
*Megascops* 3 or 4  
*Zenaidura macroura* obs.  
*Columba fasciata*, reported  
*Corvus americanus*, obs. yg.  
*Agelaius* com  
*Molothrus*  
*Sceloporus cyanocephalus* sp.  
*Apulocoma* "  
*Cyanocitta* in canyon  
*Sturnella neglecta* com  
*Otocoris* "  
*Coturniculus auduboni* "  
*Pooecetes* "  
*Chondestes* "  
*Carpodacus frontalis* "  
*Passer domesticus*, in town  
*Oreospiza* 1 west  
*Pipilo megalonyx* com  
 " *vesaliensis* 2  
*Habia melanocephala* 1  
*Gaurica c. lazuli* 2  
*Passerina amoena* com  
*Astragalinus psaltria* "  
*Chelidon* "  
*Petrochelidon* "  
*Tachycineta thalassina* "

*Vireo swainsoni*

"

*Empidonax*

"

*Dendroica aestiva* a few heard

*Geothlypis trichas* com

*Icteria v. longicauda* "

*Mniotilta* "

*Galbescopus carolinensis*, several

*Oroscoptes* 1 seen

*Sphyrapicus nuchalis* com.

*Troglodytes d. aztecus*, nest

*Salix arctica*

*Uruba v. propinqua* com

*Pica pica* reported.

*Chordeiles v. henryi* com

*Phalaenoptilus* heard

*Zenaidura macroura* com

"

*Parus septentrionalis*

" *parvulus*

*Psittiparus*



July 19 Florietta Camp 7550

9 AM, 7350

Loas 7300

7100

Hondo Canyon 7900

7700

Camps in Hondo Canyon 8100

7900

July 20 Camp on Hondo 8

Anazett 9000

Zwining 9500

Meadow 10200

Camp above lake 11200

July 20 Camp 11200

Picea engelmanni -1200 W

Abies lasiocarpa -1200 W

Pinus aristata 12600-1200 W

Timberline W-1200

Myosotis alpestris 12200 W

Primula angustifolia 12600

Myrtensia alpina

"microflora" 12600

Poppy Papaver nudicaule 13500

Silene acaulis 13000

Clatonia nagevra 13600-13700

Top of first ridge 13300

Top of 2nd ridge 13500

Wheeler Peak? 13500

Siballia procumbens Top

Gemma rossi "

Trifolium nemorosum? 1200

"gymnocarpum "

Myrtensia alpina "

"microflora" "

Sedum strobilatum "

Rhodiola integrifolia "

Draba "

Aritas "

Phlox Douglasi "

Silene acaulis "

Armaria "

Potentilla "

Primula angustifolia "

Arabis digyna 11400



<i>Polygonum viviparum</i>	-13500
" <i>bistorta</i>	"
<i>Clatonia megarrhiza</i>	13000 - "
<i>Artemisia</i>	"
<i>Ligusticum eastwoodii</i>	11400 - "
<i>Carex</i>	"
<i>Polygonum confertum</i>	12000-13300
<i>Orthocarpus</i> red	11800-13500
<i>Salix reticulata</i>	11400-13300
<i>Delphinium</i> pale	11850-1300
<i>Hydrophyllum</i>	12000-13500
<i>Saxifraga flagellum</i>	-Top
" yellow	"
" nivalis	"
<i>Paronychia pulvinata</i>	"

## Camp at lake, July 22

<i>Abies laiocarpa</i>	-12000
<i>Picea engelmanni</i>	"
<i>Salix phlegens</i> gray leaf	-12000
" green leaf	- "
" <i>reticulata</i> 'hemifusa'	11400-13300
<i>Juniperus communis</i> or <i>alpina</i>	" -12500 -12400
<i>Lonicera involucrata</i>	-12000
<i>Potentilla fruticosa</i>	-12500
<i>Vaccinium microphyllum</i>	-12400
<i>Ribes wolfi</i>	-11500
" <i>coloradense</i>	12400
<i>Veratrum</i>	12000
<i>Aquilegia scopulorum</i>	10000-12500
<i>Polygonum bistorta</i>	13700
" <i>viviparum</i>	"
<i>Geum rossii</i>	"
<i>Potentilla</i>	"
<i>Gentiana parryi</i>	-12700
<i>Schwertia peruviana</i>	11400-12000
<i>Achillea</i>	11400-12500
<i>Sibaldia procumbens</i>	13700
<i>Veronica</i> big woody (C.D.)	-13000
<i>Antennaria</i>	"
"	"
<i>Stellaria</i>	"
Rock fern	2
<i>Epilobium</i>	-12200
<i>Fragaria glauca</i>	-12000
<i>Pentstemon grandis</i>	-12400



- Helianthus* ? green leaf 11400-13700  
*Myrtensia alpina* 12700-13700  
 " glaucous 11400-13700  
*Saxifraga bronchialis* " - "  
 " punctata -12000  
*Heuchera nivalis* 11400-13700+  
 " -12400  
*Castilleja* yellow -12200  
 " red -12000  
*Rhodiola polygama* big red -13700  
*Clematis rhodantha* 10700-  
*Sedum* yellow 11400-13700  
*Caltha leptocepala* -12500  
*Aralia* 11400-1  
*Cnicus erythrophthalmus* ? 11400-12500  
*Geranium* -12000  
*Ligustrum eastwoodii* 11400 -13700  
*Asarum* brown -12500  
*Erigeron* little blue -13700  
 " white "  
*Pedicularis groenlandicus* 13000  
 " racemosa -12000  
 " yellow 13000  
*Zygadenus* -12200  
*Solidago* -12400  
*Campanula* -12000  
*Polemonium confertum* -13000  
*Triflorum* green leaf 11400-13700  
*Aricea* -12200  
*Sambucus* -12200  
*Primula parryi* - "

- July 23 Camp 9. 11400  
 Miners camp 10600  
*Populus tremuloides* "  
*Acer glabrum* - "  
*Rubus nutkanus* - "  
*Salix cordata* -10400  
 Twining 10000  
 W. other -10000  
*Quercus* -9600  
*Ambuchia* - "  
 Chokecherry "  
*Pseudotsuga* 3H. sp. "  
*Abies concolor* -10000  
*Pinus purpurea* - "  
*Salix* -10100  
*Symphoricarpos* 9600  
*Arctostaphylos* -9600  
*Delphinium*, Tall, pale "  
*Pedicularis parryi*, fig -10000  
*Rosa* 5W -10400  
*Onoclea* 9500  
*Aquilegia* red 1 10600  
*Linnaea borealis* - "  
*Zygadenus* 10600-  
 Meadow 10800  
*Veratrum* 10600  
*Caltha leptocepala* 10800  
*Polypodium bistratum* "  
*Pedicularis groenlandicus* "  
 " gracilis (10600)



*Picocorvus* 10600  
*Myadestes* 10000  
*Tachycineta thalassina* 9500-  
*Empidonax* 2 -9500  
*Turdus* 2 9400  
*Piranga ludoviciana* 9500-10200  
*Sialia arctica* -9500  
*Vireo* 2 10000  
*Dryobates pubescens* 1 "  
*Cyanocitta* 1 "  
*Parus gambeli* 10500  
*Zonotrichia*  
*Junco*  
*Perisoreus*  
*Ceuthia* 11200  
Back to Camp 11650.

July 24

*Cinclus* at lake  
*Myadestes* at camp 12200  
*Picicorvus* to 13300  
*Zonotrichia leucophrys* -12400  
*Melospiza m. propinqua* - "  
*Corvus corax sinuatus* 6 13500  
*Aquila chrysaetos* 1 "  
*Cinclus* obs. 12400-13700

*Lagopus alpinus* 13500  
*Leucosticte australis* 13300  
*Piricola* at 10700

July 24 Camp - 11400  
 Timberline 12200  
 Extreme upper scrub 12500  
 Fox 12200  
 Trap by creek 12700

Eriogonum big white - 12000  
 " big purple - "  
 'Celery' - "

July 25 Camp 11500  
 Wheeler Peak 13900  
 back to Camp 11600

*Parnassia* -12000  
*Gentiana variabilis* 11400 -12000  
 " frigida " - "

*Regulus satrapa* 2 at 10700  
*Carpodacus cassinii* a pair at 9500.  
*Buteo borealis* Cal. a pair at 11000.



Aug. 2, down to Meadow

Barometer at meadow 10700

Plants in meadow

- Salix green leaf 785
- " gray 784
- Potentilla fruticosa
- Caltha leptosepal
- Pedicularis groenlandicus
- Pernassia
- Saxifraga punctata
- Aconitum
- Schwertia perennis
- Gentiana ~~parryi~~
- " urata
- " variabilis
- Celery
- Carum 'sp.'
- Polygonum viviparum
- " bistorta
- Rhodiola
- Veratrum a little
- Timothy
- Veronica slender
- Juniper triflorum
- Potentilla (anceps)?
- " little
- Campanula
- Erigeron blue
- " white
- Cinna trigonophyllum

In woods + uplands

Picea

- Abies lasiocarpa
- Populus tremuloides - on SW. slope
- Lonicera involucrata
- Ribes wolfei
- " coloradense
- Vaccinium microphyllum
- Pachystima myrsinites
- Juniperus communis
- Pyrola secunda?
- Pedicularis racemosa
- Solidago
- Pentstemon gracilis
- Fragaria glauca
- Arisaema
- Achillea millefolium
- Myrica green leaf
- Monarda uniflora
- Linnaea borealis

- 10600



Aug. 4. Camp 9 AM 10700

" Twining (set) 9900

Zachnita thalassina nest at 10300 SW

Euphorbia difficilis dot 10700 "

Vireo swainsoni " "

Pinus arizata 11000<sup>SW</sup> -

Populus tremuloides - 11000<sup>SW</sup>

Sawmill 11100

Summit 11200

Aug. 8 Camp, 11 AM 10700

Twining 12 " 9850

Thicket 9400

Alnus concolor - 9800

Pseudotsuga - 9600

Pinus flexilis - 9400

" ponderosa { a few at - 9200  
com. in the 9500

Alnus

Betula a few to 9000

Picea pungens - 9200

Ribes d. irriguum "

Cornus asperifolia "

Pentstemon exaltat "

Moraria "

Physocarpus "

Pyrus serotina 9100-10000

Populus angustifolia - 9000

Shepherdia "

Quercus - a few - 9600<sup>SW</sup>

" com. in the 9000.

Griffiths 8900

Brick Kiln

8500

Chenopodium

"

Mentzelia

"

Ceanothus

"

Camp at old mill

8350

Aug 9.

Camp.

8150

Tell House

7900

### Upper Sonoran

Aug 11 Camp

5450

Pinus edulis

8500<sup>SW</sup>

juniperus utahensis

"

" paccata?

"

Cercocarpus parvifolius

- 8500<sup>SW</sup>

Philadelphus

Ribes leptanthum

" " cereum

Berberis (spatulata)

- 8200

Clematis

Rosa

Physocarpus

Lupinus

Asteriscia tridentata

Ribes leptanthum

Toll House

8250

Camp

Holodiscus

8200



Aug. 12. Camp 7950  
8050

- *Bigelovia canescens*
- *Argemone platyceras* 7900
- *Verbena bracteosa* "
- *Alfilaria* "
- *Maltaxium munroanum* "
- *Bigelovia douglasii* "
- *Helianthus* "
- *Fallugia* "
- *Gravellea* "
- *Rhus aromatica* "
- *Senecio bigelovii* "
- *Yucca*

Valley 7700  
Camp 8000  
Taus 7600

Aug. 13. Hondo Camp  
*Mammillaria* n/100  
*Opuntia arborescens* 1

*Cereus* on rocks

Aug. 14, Camp 9:30 8000  
Hondo R. 7600  
Agua de Lobo 8500  
San Cristobal 8100  
Lama 8800  
Camp near Questa 8000

Aug. 15 Camp 9:30 8050  
Red R. 7850  
Questa 8100  
Tip Red R. Camp 5 m. 8  
Camp 8200

Aug. 16 Camp 8200  
Month of S. Fork 8500  
Upper Sonoran - 8200<sup>56</sup>

" " on slope for 500  
" " N.E. to 7800?  
Transition zone N.E. - 8500  
" " S.W. - 10000  
Canadian zone N.E. 8500 - 11000  
" " S.W. 10000 -

Red River town 9250  
*Picea pungens* - 9500  
" *europaeae* 9500 -  
*Abies lasiocarpa* 9500<sup>N.E.</sup>

Camp on Lost trail Cr. 10700



Aug. 17. to top of hill & back.  
 Aug. 18 Camp 9  
 Top of ridge  
 Anchor mine  
 Pass  
 Pinus aristata  
 Populus trem  
 Tabula  
 Comanche Cr.  
 Castilla River  
 Camp - Coyote Camp

40400  
 10400  
 11200  
 11100  
 11350  
 11100  
 11350  
 10100  
 9900  
 9400  
 9700

Aug. 19 Camp  
 Ranch  
 Camp - Coyote Camp

9600  
 9700  
 10700

Aug. 20, Camp  
 Pseudotsuga a few to  
 Physocarpus  
 Phylla  
 Arctostaphylos uva-urta  
 Top of ridge  
 Helminthophila c. lobosensis  
 Zonotrichia  
 Nucifraga  
 Colaptes

12300  
 12400  
 "  
 "  
 12400  
 12700  
 12600  
 12800  
 13200  
 12800  
 13400  
 13300  
 13600  
 13600

Anthus 12700 - 13600  
 Sialia arctica - 13400  
 Otocoris 1300 - 13300  
 Lagopus dumg 13200 + 13300  
 Humea 13600  
 Aquila 13000 & feathers at 13600  
 Bubo b. calurus 13400  
 Circus 1300

back to Camp 11000



Peak	13400		
<i>Geum sassi</i>	"		
<i>Sibaldia procumbens</i>	"		
<i>Potentilla</i> little	"		
" <i>fruticosa</i>	-13550		
<i>Sedum</i> little yellow	13400		
<i>Saxifraga chrysantha</i>	"		
<i>Silene acaulis</i>	"		
<i>Arenaria</i>	"		
<i>Asteriscia borealis</i>	"		
<i>Erigeron</i> small blue	"		
<i>Gentiana frigida</i>	"		
<i>Perovskia</i>	"		
little white like <i>Perovskia</i>	"		
<i>Helianthus</i> ?	green leaf	"	<i>Thymus</i> -13400
"	gray leaf	"	<i>Arctostaphylos</i> -13300
<i>Myosotis</i>	"	"	<i>Ichneumon</i> -13400
<i>Companula</i>	"	"	<i>Eutamias</i> -13200
<i>Polygonum viviparum</i>	"	"	
<i>Polygonum bistorta</i>	13300		<i>Canis lupus</i> -13300
<i>Salix reticulata</i>	13000		<i>Ovis montanus</i> reported
<i>Ligustrum acutirostris</i>	13600		<i>Ursus horribilis</i> "
<i>Gentiana nivalis</i>	13300		" <i>americanus</i> "
<i>Orthocarpus</i> - pink	13500		
<i>Caltha leptosepalos</i>	-12800		
<i>Salix</i> green leaf	-13000		
"	green leaf	"	
<i>Trifolium gymnocarpum</i>	-13400		
" <i>nanum</i>	1230-13400		
<i>Urtica megarrhiza</i>	-13550		



Aug. 21 Camp	90700
Valley at road	10700
Rainbow & Store	10400
Alms	- 10100
Pinus pungens	\$ 1200
Coyote Camp	10000
Bigelovia big tree	- "
Pinus strobus	"
Picea	9700
Pinus ponderosa	- 9900 <sup>SW</sup>
" aristata	9700 <sup>SW</sup>
" flexilis	- 9900
Betula	- "
Pseudotsuga	- "
Beaver pond	9600
Lunch	9450
Camp above beaver pond	9800

Aug 24. Camp, 1 P.M.	9550
Costilla River & Co.	9350
Populus angustifolia	"
Alms	
Top of ridge	10300
Juniperus 2	- 9650 <sup>SW</sup>
Pinus edulis	- "
Artemisia tridentata	L
Betula	"
Aspens	"
Monarda	"

Costilla R. valley 9750  
Camp 100 feet above R. 9750

Aug. 25 Camp 8 A.M.	9050
Berberis sp. alba	-
Sabir nigra	"
Mentzelia	-
Gutierrezia	8600
Eurotia lanata	- 8500
Atriplex canescens	"
Scirpus monox.	9050-
Thompson, faros?	"
Sp. green	9000
Perovskia repens 2	"
Costilla town	8500

Oats	
wheat	
corn	
Beans	
Potatoes	
Squashes	
Watermelons	
Wassermelons	
Berries	
Strawberries	
Tobacco	
Onions	
Apples	
Plums	
Bridge	8100
Camp	8300



Aug. 25, Camp 7:30, 8300

*Helianthella* abn.

*Zollugia* "Ponil" dayards

Summit of ridge about 8400

Antonito (8500)

Correct altitude (7888)

Aug. 30

Antonito to Alamosa

Aug. 31 Alamosa 7:30 AM

*Sarcobatus* abn.

*Bigelovia canescens*

*Gutierrezia*

*Perodipus* abn.

*Urtica* big purple

*Bigelovia* - dark green

*Achillea aurea* abn, sp.

*Zinnia*, overgrowing

in sunflower fields

*Euphorbia* in flocks

*Picea* some

*Merula* a few

*Junco*

*Montalista*

*Xanthocephalus* flocks

*Sturnella* com

*Falco sparverius* 1

*Lanius* 1

*Spinus tristis*, 1 ♂ in town

Del Norte 9 AM

Del Norte

*Yucca glauca*

*Ribes cereum*

*Atriplex canescens*

*Sarcobatus* - flats

*Bigelovia canescens*

*Gutierrezia*

*Helianthus annuus*

*Helianthella*

*Quercus*

*Eurotia*

*Artemisia frigida*

" *dracunculoides*

" dwarf *Trifida*?

*Opuntia polyacantha*? abn.

*Cercus*

"

"

*Eriogonum*

*Mimulus*

*Pinus edulis* on hills

*Juniperus*

*Ribes leptanthum* 1 bush on hill

*Populus angustifolia*

*Salix nigra*

" *cordata*

*Ribes aureum* - both yellow & black



Del Norte Aug. 31 + Sept 1.

<i>Cyanoccephalus</i>	2
<i>Sialia mexicana</i>	abn
<i>Zalpinctes</i>	on edge
<i>Chrysomitris psaltria</i>	com
<i>Hirundo</i>	abn
<i>Tachycineta</i>	3.
<i>Oroscoptes</i>	1
<i>Pica</i>	
<i>Circus</i>	2
<i>Podiceps</i>	2
<i>Oxyechus</i>	1 heard
<i>Lanius</i>	com
<i>Melospiza</i>	1
<i>Tyrannus verticalis</i>	1
<i>Carpodacus frontalis</i>	1
<i>Spinus pinus</i>	com
<i>Merula</i>	4
<i>Spizella</i>	
<i>Empidonax</i>	1
<i>Colaptes collaris</i>	com
<hr/>	
<i>Canis latrans</i>	
<i>Fiber</i>	in fish pond
<i>Cynomys gunisoni</i>	abn
<i>Lepus pinnatus</i>	1
<i>Eutamias quadrivittatus</i>	com
<i>Perodipus</i>	
<i>Peromyscus sonoriensis</i>	abn
<i>Microtus agrestis</i>	"
<i>Microtus musculus</i>	1
<i>Rhithrodontomys</i>	1

Sept. 2 Alamosa 7900

Antorito - 8. "  
Ancestral set of 7900.  
Up Canyons R. 10 mi. 8300

Sept. 3 - Camp 8200

Slope - Upper Sonoran  
*Pinus edulis*  
*Juniperus monosperma* + *flaccida* - 9500<sup>SW</sup>  
*Atriplex canescens*  
*Begelovia canescens*  
*Gutierrezia*  
*Artemisia tridentata*  
" *frigida* a little  
*Eurotia lanata*  
*Mirabilis*  
*Opuntia polyacantha*  
*Cercus* fig of pines  
" little one  
*Mammillaria*  
*Yucca glauca*  
*Helianthus*  
*Helianthella*  
*Ribes leptanthum*  
" *sericeum*  
*Rhus trilobata*  
*Mentzelia*  
*Cercocarpus parvifolius* 8400 - 9700



8300 foot camp

N.E. slope, transition -

*Pinus ponderosa* 8500<sup>N.E.</sup>

*Pseudotsuga* 8500<sup>N.E.</sup>

*Pseudotsuga*

*Abies concolor*

*Populus tremuloides*

8600<sup>N.E. gulch</sup>

8750<sup>N.E. slope</sup>

*Picea* ?

8850<sup>N.E. gulch</sup>

Top of mesa 9100

Top of crater 9800

*Abies concolor* N.E.

*Pseudotsuga*

*Populus tremuloides*

Covejas R. bottoms

8300 feet

*Populus angustifolia*

abn

*Pinus ponderosa*

a few

*Picea pungens*

"

*Salix cordata*

" *nigra*?

*Cornus asperifolia*

*Eleagnus argentea*

*Lonicera involucrata*

*Rosa*

*Ribes d. irriguum*

*Potentilla fruticosa*

*Gilia aggregata*

*Moraida*

*Companula "uniflora"*

*Lupinus*

*Pentstemon*

scattered

*Cleovatis*

*Lupus humilis*

*Alnus incana*

*Prunus virginiana*



Conchos River Camp, 8300.  
 Odocoileus tracks  
 Sciurus merriami 8900 N.E.  
 Lynx baileyi abu  
 Callospermophilus 1 at 8900 ft  
 Eutamias quadrivittatus abu  
 Onychomys 1  
 Peromyscus sonoriensis abu  
 Neotoma abu  
 Perognathus 1  
 Perodipus montanus abu  
 Lepus sylvaticus "  
 Thomomys aureus com.  
 Canis latrans "  
 Lynx "  
 Eutamias "  
 Lutrula tracks com  
 Taxidea holes com  
 Bats com  
 Cervus old horns

Sep. 5. Camp same 8200  
 7700  
 Antelope 7900

Camp by San Antonio Butte 8700  
 Came 10 + 12 miles

Sept. 6. Camp 8600  
 edge of timber 9000  
 Top of ridge 9500  
 Summit at Sheep Spring 9350  
 Camp at fork of Tusas 8750

Sept. 7 Camp. 9 8650  
 Hopeville 9700  
 Summit 10100

Camp 9800  
 Picea engelmannii  
 Abies lasiocarpa  
 Populus tremuloides  
 Salix  
 Potentilla fruticosa  
 Veratrum  
 Gentiana - pink  
 Campanula uniflora  
 " large blue  
 Caltha lutea  
 Potentilla  
 Sambucus



Sept. 10, Camp 10000  
 Summit 10500  
 Beaver Pond 9700  
 Abies concolor "  
 Pseudotsuga "  
 Alnus "  
 Symphoricarpos "  
 Salix cordata "  
 Birch "  
 Acer glabrum 9400  
 Prunus virginiana 9200  
 Quercus "  
 Cornus asperifolia "  
 Populus angustifolia 8800  
 Pinus ponderosa W. 9100  
 Camp on bottom of valley 7700

Sept. 11 Tierra Amarilla 7650

Sept. 14, Camp 8. 7550  
 Tierra Amarilla  
 Artemisia frigida  
 " ludoviciana

Mammals, San Juan Mts.  
 Odocoileus rare  
 Sciurus aberti not found  
 Sciurus monnecianus, abn.  
 Callospermophilus lateralis com  
 Eutamias abn  
 Cynomys gunnisoni, up to Hesperus  
 Euthizon com  
 Microtus pennsylvanicus abn  
 " mordax?  
 Peromyscus sonoriensis, abn.  
 Thomomys fresser, abn  
 Lepus campestris 1  
 " bairdi signs in woods  
 Fiber? Ad bones  
 Castor Ad house pond  
 Canis lat. com  
 Lepus





Sept. 10, Camp 10500  
 Summit 10500  
 Beaver Pond 9700  
 Abies concolor "  
 Pseudotsuga "  
 Alnus "  
 Symphoricarpos "  
 Sax. Cardata "  
 Birch "  
 Acer glabrum 9400  
 Prunus virginiana 9200  
 Amurensis "  
 Cornus asperifolia "  
 Populus angustifolia 8800  
 Pinus ponderosa W. 9100  
 Camp on bottom of valley 7700

Sept. 11 Sierra Ancha 7650

Sept. 14, Camp 8. 7550  
 Sierra Ancha  
 Artemisia frigida  
 " ludoviciana

Mammals, San Juan Mts.  
 Odocoileus rare  
 Sciurus aberti not found  
 Peromyscus sonoriensis, abn.  
 Callospermophilus lateralis com  
 Eutamias abn  
 Cynomys gunnisoni, sp. to Hesperomys  
 Eutamias com  
 Microtus nanus abn  
 " mordax?  
 Peromyscus sonoriensis, abn.  
 Thomomys farrer, abn  
 Lepus campestris 1  
 " bairdi signs in woods  
 Fiber? Ad house  
 Castor old house pond  
 Canis latrans com  
 Taxidea







Sept. 14 Camp 8. 7550

Tierra Ambrillo 7500

Pinus ponderosa "

Quercus gambeli "

Artemisia tridentata "

Pegolovia canescens "

Gutierrezia "

Helianthus annuus "

Aster multiflorus "

" purple "

Populus angustifolia "

Chama R. 7200

Berberis spatulata

Salix nigra

Ribes

Juniperus monosperma

" flaccida

Pinus edulis? a few trees

Chama R. at Mill 6950

Helianthus "

Opuntia polyacantha sp. "

Yucca glauca "

Cereus (899) plants "

Pinus edulis com "

Atriplex canescens

Sarcobatus

Suaeda around lake

Rock Lake 7300

Sept. 15

At Tierra Ambrillo Fiesta -

Sept. 14 Camp 7550

Summit

Artemisia arbuscula

" cana

" tridentata

" frigida

" ludoviciana

Lake La Jara 7 mi. 7530

Sept. 17. back 2 miles

Sept. 19 Camp 8:30 7500

Lake La Jara 7425

Pinus ponderosa com

Parry's sage com

Quercus gambeli com

Pinus edulis com

Juniperus occidentalis com

" flaccida "

Cercocarpus parryi

Amelanchier

Berberis repens

Penstemon virginicus



*Artemisia crassa* abn

" *frigida*

" *bracteoloides*

*Helianthella*

*Helianthus annuus*

*Grandelia*

*Aster multiflorus*

" purple

*Rigilovia canadensis* abn

*Gutierrezia*

*Lupinus*

*Castalia*

red

*Pentstemon*

red

*Gilia agnosta*

*Ribes cereum*

" aureum

*Rhus aromatica*

Gomez Sharp road 7000

*Negundo* a few

*Artemisia tridentata*

" arbuscula

*Sarcobatus*

*Zinnia* weed

*Ceanothus americanus*

a few bushes

Dulce

7000

Camp at Dulce 6900

Sept 21

up Horseshoe road 8 miles

Camp

7600

Sept 22 Camp 10. 7600

Horseshoe 5 miles

7800

on Continental Divide

*Negundo*

a few trees by lake

*Salix*

yellow. trees

*Pinus ponderosa*

abn

*Pinus edulis*

on S. slopes

*Quercus gambelii*

abn.

*Amelanchier*

*Prunus virginiana*

*Tules*

*Ammopsis*

*Helianthella* - *Ximenesia*

*Artemisia tridentata*

" *cana*

" *arbuscula*

" *frigida*

*Zinnia* weed

*Suaeda*

around lake

*Ornithoglossum*

*Rhus aromatica*

*Pseudotsuga*

com. on N.E. slope

*Abies concolor*

a few

*Populus tremuloides*

*Podagracea*

*Symphoricarpos*



Horse Lake Sept. 22 + 23

Zenaidura 2  
 Godwits abu  
 Scaups com  
 Querquedula discors? com  
 " cyanoptera? "  
 Fulica americana a few  
 Tringa bairdi 3  
 Gryphalopus 2  
 Exochus vociferus 2  
 Dryobates villosus 1  
 Colaptes  
 Bubo 2 heard  
 Pandion 1  
 Spizella a dead one  
 Chordeiles 1 seen  
 Pica abu. + nests  
 Corvus sinuatus 2  
 " brachyrhynchus 1 heard  
 Zonotrichia com  
 Melospiza lincolni a few  
 Spizella  
 Poecetes abu.  
 Dendroica auduboni "  
 Wilsonia "  
 Geothlypis 1  
 Regulus calendula com  
 Parus septentrionalis 3  
 Troglodytes aedon com  
 Salpinctes 1  
 Sialia bairdi abu.

Parus gambeli 1  
 Orospiza com  
 Otocoris 4  
 Cyanocitta 1  
 Sitta pygmaea 3  
 Falco sparverius 1  
 Accipiter velox 1  
 Aquila chrysaetos 1  
 Asyndesmus 3  
 Myadestes townsendi 3  
 Sturnella 2

Cyanocephalus gambeli abu  
 Entomias com  
 Peromyscus sonoriensis abu  
 Neotoma fallax ? com  
 Microtus mordax "  
 Thomomys passer abu  
 Euthizon - graveolens "  
 Lepus sylvaticus com  
 Canis latrans "  
 Taxidea 6  
 Vesperugo fuscus 1



Horse Lake - continued

*Perdix ripens* com  
*Begonia canescens* "  
*Gutierrezia* "  
*Populus angustifolia*, a few trees  
*Juniperus monosperma* on S. slope  
 " *procida* " "  
*Eriogonum* 3 species  
*Melospiza occyren*  
 " *miniata*  
*Fragaria speciosa*, in gulch

Chama River near El Vado

*Eutamias* not taken, com.  
*Neotoma* "  
*Peromyscus sonoriensis* "  
*Microtus mordax* 1 (Gaut)  
*Thomomys aureus* 2, abn.  
*Zapus* com  
*Lynx* "  
*Canis latrans* hard  
*Uroperdix fusca* 1, com  
*Odocoileus hemionus*, reported.  
*Lepus pinetis* 1

Sept. 24 Camp. 10. 7800  
Chama River 10 mi. 4800

Sept. 25 Camp 4500  
Puerco 7700

Sept. 26 Camp - 7200  
 El Vado 7200  
 Stinking Lake 7700

Sept. 27.  
*Anas boschas* com  
*Nitidion carolinense* abn  
*Querquedula discors* com  
 " *cyanoptera* ?  
*Mareca americana* com  
*Dafila acuta* a few  
*Chryseola spatula* "  
*Agathya americana* com  
 " *affinis* ? a few  
*Erasmia gawwainensis* abn. egg.  
*Branta canadensis* - heard <sup>5 seen Sept. 28</sup>  
*Anser gambeli* ? feathers found  
*Phalaropus* com  
*Fulica americana* abn. imm.  
*Porzana carolinensis* com.  
*Zingon bairdi* a few  
*Oxyechus vociferus* 2  
*Tarus californicus* ? 1 killed



<i>Bubo virginiana</i> , old in.	com.
<i>Falco mex</i>	
<i>Falco sparverius</i>	a few
<i>Circus</i>	2
<i>Aquila chrysaetos</i>	1
<i>Dryobates v. hyloscopus?</i>	com.
<i>Amphispiza bilineata</i>	2 ♀
<i>Corvus sinuatus</i>	2
" <i>brachyrhynchus</i>	com.
<i>Pica</i>	com.
<i>Aquila chrysaetos</i>	#
<i>Agelaius p.</i>	com.
<i>Zonotrichia leucophrys</i>	"
<i>Melospiza montana</i>	"
" <i>lincolni</i>	"
<i>Spizella</i>	
<i>Junco naevius</i>	1
<i>Poecetes</i>	com.
<i>Dendroica auduboni</i>	"
<i>Wilsonia</i>	"
<i>Geothlypis trichas</i>	"
<i>Anthus pennsylvanicus</i>	"
<i>Otocoris</i>	1
<i>Salpinctes</i>	1
<i>Sialia bairdi</i>	abn.
<i>Cistothorus fuscus</i>	com.
<i>Sitta pygmaea</i>	"
<i>Spinus pinus</i>	"
<i>Chrysomitris</i>	1

<i>Anthus ludovicianus</i>	abn.
<i>Falco mexicanus</i>	1
<i>Sturnella neglecta</i>	2
<i>Podilymbus podiceps</i>	1
<i>Zenaidura</i>	1
<i>Colaptes collaris</i>	1
<i>Melospiza proregina</i>	2
<i>Graculus</i>	1
<i>Pipilo megalonyx</i>	1
<i>Cyanocitta</i>	com.
<i>Myadestes townsendi</i>	1
<i>Sitta nelsoni</i>	1
<i>Regulus calendula</i>	1
<i>Actitis macularia</i>	1
<i>Rhyncobates nasutus?</i>	15
<i>Capodacus frontalis</i>	a few
<i>Ammodramus caudatus</i>	com.
<i>Helminthophila alata</i>	1
<i>Actidramus bairdi</i>	com.
" <i>miniata</i>	1
<i>Podiceps montanus</i>	1
<i>Amphispiza nevadensis</i>	1
<i>Euphagus cyanocephalus</i>	abn.
<i>Agelaius</i>	a few
<i>Ceryle alcyon</i> , Oct. 3,	1



Stinking Lake Sept. 30, 7200

<i>Pinus ponderosa</i>	abn
" <i>edulis</i>	"
<i>Pseudotsuga</i>	own. slopes
<i>Juniperus</i> 2	abn. S.
<i>Quercus gambelii</i>	abn.
<i>Populus angustifolia</i>	along stream
<i>Salix</i>	
<i>Cercocarpus</i>	com
<i>Artemisia tridentata</i>	abn
" <i>cana</i>	"
" <i>arbuscula</i>	
" <i>frigida</i>	com
" <i>ludoviciana</i>	"
<i>Bigelovia canescens</i>	"
"	"
<i>Gutierrezia</i>	"
<i>Helianthella - Rinorea</i>	"
<i>Atriplex canescens</i>	"
<i>Sarcobatus</i>	"
<i>Asters</i> 3	"
<i>Yucca glauca</i>	com
" <i>baccata</i>	a few
<i>Opuntia missouriensis</i> !	com
" <i>fragilis</i> on ridges	
<i>Cereus paucispinus</i>	com
" <i>viridiflorus</i>	a few
<i>Scirpus olneyi</i>	isolates
<i>Juncus lacustris</i>	"
Smartweed	abundant
<i>Suaeda</i>	

Top of ridge west of lake 7900

<i>Eriogonum fasciculatum</i>	
<i>Malvastrum coccineum</i>	
"	numerous
<i>Gramma</i>	abn

### Mammals

<i>Cynomys gunnisoni</i>	com
<i>Onychomys</i>	"
<i>Peromyscus sonoriensis</i>	abn
<i>Thomomys fallax</i> ?	abn
" <i>desertorum</i> ?	com
<i>Thomomys fulvus</i> ?	"
" <i>aureus</i> ?	"
<i>Perognathus</i>	2
<i>Perodipus</i>	com
<i>Erethizon</i>	"
<i>Lepus arizonae</i>	"
" <i>punctatus</i> ?	
" <i>texianus</i>	a few
<i>Canis latrans</i>	abn
<i>Taxidea</i>	"
<i>Urocyon</i>	"
<i>Lynx</i>	com
<i>Vesperugo fuscus</i>	"



# Plant Catalogue 1904

Zaco Mts. N. Mex.

July '20.

850. *Mystensia*

13000 ft

851. little white flower

"

13000 ft

852. *Rhodola integrifolia*

"

853. yellow poppy

"

854. *Helianthus* ? green leaf

13500

855. " " " " " "

"

856. *Erigeron*

"

857. *Draba*

"

858. " " " " " "

11200

859. *Rhodola*

11200

860. *Mystensia*

big leaf

"

861. *Salix* " " " "

11400

862. " " " " " "

"

863. *Salix* " " " " " " confertum, dark 13000

864. " " " " " " mollitum, pale "

865. *Hydrophyllum*

"

866. " " " " " " " " " "

"

867. *Rhodola* " " " " " "

13500

868. " " " " " " " " " "

"

869. *Potentilla*

"

870. *Mystensia* " " " " " "

"

871. " " " " " " " " " "

"

872. *Myasotis alpestris*

"

873. *Saxifraga flagilaris*

"

874. " " " " " " " " " "

"

875. " " " " " " " " " "

"

876. *Paronychia pulvinata*

"



# Plant Catalogue 1904

Zaos Mts. N. Mex.

July 20.

850. *Myrtensia*

13000 ft

851. little white flower

"

13000 ft

852. *Rhodola integrifolia*

"

853. yellow poppy

"

854. *Helianthus* ? green leaf

13500

855. " woody leaf

"

856. *Erigeron*

"

857. *Draba* July 23

"

858. *Ribes wolferi*

11200

859. *Rhodola*

11200

860. *Myrtensia*

big leaf

"

861. *Salix* "uniflora"

11400

862. " "

863. *Polemonium confertum*, dark 13000

864. " *multiflorum*, pale "

865. *Hydrophyllum*

"

866. *Veronica acropetala*

"

867. *Rhodola alpina*

13500

868. *Delphinium* dwarf

"

869. *Potentilla*

"

870. *Myrtensia alpina*

"

871. " *longifolia*

"

872. *Myosotis alpestris*

"

873. *Saxifraga flagilaris*

"

874. " *chrysantha*

"

875. " *nivalis*

"

876. *Paronychia pulvinata*

"







Zaos Mts, N.M.

July 28

877. *Gentiana parryi*? closed 11400  
 878. " *serotina*? fringed "  
 879. *Salix reticulata* "  
 880. *Mertensia "glauca"* "  
 881. " *"viridis"* "  
 882. *Schweertia parviflora* "  
 883. *Gentiana "versabilis"* "  
 884. *Salix* gray "  
 885. " green "  
 886. *Picea engelmanni*? like pungens "  
 Hondo Canyon Aug. 10. 8200

- Picea pungens*  
 887. *Picea pungens*  
 888. *Mentzelia*  
 889. *Rhus glabra*?  
 890. *Stachys*? big yellow cone flowers  
 891. *Monarda*

Hondo River Aug. 13. 8000 ft.

892. *Opuntia polyacantha* fleshy fruit  
 893. " *felipendula* fleshy fruit  
 894. *Mammillaria lasiocantha* small  
 895. *Opuntia felipendula* fleshy fruit

Castilla R. Aug 23

896. *Pinus aristata* 9400 ft.  
 897. " " 9500

Del Norte, Colorado. Sept. 1.

898. *Opuntia missouriensis*? R  
 899. *Cereus paucispinus*? R; heavy spined  
 900. " " fine spined

901. *Echinocereus viridiflorus*? R. little one

Conejos R. Sept. 4

902. *Mammillaria*  
 903. *Cereus* small

Boulder Lake, Sept. 15.

904. *Helianthella*  
 " Dulce N.M. Sept. 19

905. *Artemisia arbuscula*  
 906. " *tridentata*  
 907. " *frigida*  
 908. " *cana*

Lake La Jara Sept. 18.

909. *Opuntia fragilis*  
El Vado Sept. 26.

910. *Opuntia*  
Gallinas Oct. 6.

911. *Opuntia engelmanni*  
 912. *Quercus gambeli*  
 913. " *lobata*?

Abiquiu Oct. 15

914. *Mammillaria*

Escondido, Oct. 19

915. *Opuntia arborescens*  
 916. *Mammillaria* little one



Valentine, Texas Oct. 24.

917. *Baccharis glutinosa*?

918. *Ephedra trifurcata*?

Seguin / Texas, Nov. 7.

Cereus

919. Abn. in mesquite brush

920. *Cereus*

Nov. 10

921. *Mammillaria*

Columbus

922. *Sabal*

Saratoga

923. *Sabal*

near Patson

924. "

near San Lok

925. *Quercus digitata* (= *palata*)

926. *Quercus phellos*?

927. "

928. *Quercus alba*

929. "

930. *Quercus michauxii* - Cow oak

931. "

932. "

933. "

934. "

935. "

936. "

937. "

938. "

939. "

940. *Quercus muhlenbergii* - post oak.

941. *Gelsemium sempervirens*

942. *Hedera alba*?

943. *Aegle marmelos*?

944. *Aegle marmelos*

945. *Aegle marmelos*? *hypericoides*?

946. *Hammamelis virginiana*

947. *Schmalzia lanceolata*

948. *Cyrilla racemiflora* Walt.

949. *Ilex lucida*

950. *Balea* *laurifolia*

951. *Smilax* *laurifolia*

952. *Smilax* *unifolia*?

953. *Smilax* *pernula*

954. *Viburnum nudum*?

955. *Persea borbonia*

956. *Magnolia virginiana*?

957. *Leitneria floridana*, sweet leaf

958. *Nyssa aquatica*

959. *Sorbus* *molle*

960. *Bayon* *molle*

Navasota Dec. 10.

961. *Gleditsia aquatica*

962. *Quercus macrocarpa*

963. *Quercus*

big red oak

964. *Cardiospermum* (*corindum*?)

Columbus

965. *Cretagus* *opthalmata*

966. " *texana*



Oct. 3 Camp 10. 7300  
 El Paso 12, 7000  
 Camp 10 mi. S. 7200

Oct. 4. Camp 9. 7100  
 Summit 4 miles 7500  
~~dry~~ ~~Gallinas~~ River 7000  
 Gallinas 7500

Oct. 5. Camp 9. 7300  
 Gallinas "  
 Capulin 7800  
 Opuntia engelmannii 7300  
 " arborescens 1 "

Riglobia big gran. abn.

Yellow pine mesa 8000

Coyote Cr. 8150

Puerco R. 8200

Camp 8300

Oct. 7. Camp 8400

Fork of Coyote Canyon "

Ridge at head of canyon 9700

Gallinas Mts. Oct. 5 -  
 Juniperus occidentalis - 8000  
 " sacada? "

Pinus edulis  
 Artemisia tridentata  
 " cava  
 Sigelovia canescens

Pinus ponderosa S.W. 8000 - 9700  
 " " N.E. 7500 - 8000

Pinus flexilis in canyon at 8500  
 Pseudotsuga 7500<sup>NE</sup> - 9000<sup>NE</sup>

Quercus gambeli 7500<sup>SW</sup> - 9500<sup>SW</sup>  
 " (blata!) 8000<sup>SW</sup> - 9500<sup>SW</sup>

Populus angustifolia abn. 7000 - 8300  
 Robinia ulonensis 8200 - 9500

Crotonus 8300 - 9700  
 Arctostaphylos uva-ursa - 9500

Symphoricarpos  
 Berberis repens 8000 - 9500

" spatulata 7500 - 9000  
 Fragaria sp. 8500 - 10000

Gilia aggregata 9000  
 Pentstemon scutell 8100 -

Pinus virginiana - 9000  
 "



<i>Populus tremuloides</i>	NE - 10400
<i>Picea pungens</i>	NE - 9700
" <i>englemanni</i>	NE - 9500 - 9700 - 10400
<i>Abies concolor</i>	NE - 9700
" <i>barroetana</i>	NE - 9700 - 10400
<i>Acer glabrum</i>	8500 - 9500
<i>Rubus nutkanus</i>	NE -
<i>Alnus viridis</i>	8200 - 10700
<i>Salix cordata</i>	- 9700
<i>Pachystima</i>	NE - 10400
<i>Veratrum</i>	
<i>Gentiana</i>	prunifolia - 10000
<i>Ribes divaricatum</i>	along cr. 8100 -

Oct. 9 - Camp 8450  
 Up to top of mts. - snow on top.  
 edge of top 1000  
 Highest point 10400  
 Transition zone - 9700 S.W.  
 " " - 9000 N.E.  
 Summit on road 9300  
 Prairie dog park 9000

Oct. 10 Camp 8300  
 Bottom of Coyote Canyon 8100  
 Ranch at head 9000  
 Left base 9400  
 Lepus prairie 9500

Oct. 11 Broke camp 2 pm 8500  
 Camp at Coyote 12 m. 7000

Oct. 12 Camp 9. 7000  
*Juniperus occidentalis*  
*Pinus edulis*  
*Quercus*  
*Populus angustifolia*  
*Forsteria monensis*  
*Rhus arctica*  
*Lycium pallidum*  
*Atriplex canescens*  
*Sarcobatus*  
*Artemisia tridentata*



*Bigelovia canescens*  
*Juniperus*  
*Yucca glauca*  
*Eurotia lanata*  
*Opuntia arborescens*  
 " *englemanni* small  
 " *longwhite* sp.

*Cercus prunifera*  
*Mammillaria* little

*Ribes aureum*

*Clematis*

*Helianthus*

*Helianthella*

*Salix nigra*

" *yellow*

*Fallugia paradoxa*

Coyote Cr 6900

Chama River 6150

Camp "

Oct. 13. Camp 830 6050

Abiquiu 6150

River at Abiquiu 6100

Camp 10 mi. below Abiquiu 6000

Oct. 14

Staid at camp

Oct. 15 - Camp 1 P.M. 5900

Rio Grande 5800

Camp near Espanola 5850

Chama River Valley

*Populus monilifera* abn

*Salix nigra* "

" "

*Forstiera*

*Pinnus edulis* on mesas

" *pachrasa*, dwarf " " M.E.

*Juniperus occidentalis* abn

*Cercocarpus parvifolius* on mesa

*Rhus aromatica* abn.

*Fallugia paradoxa*

*Artemisia filifolia*

*Bigelovia canescens*

"

*Helianthus annuus* abn

*Helianthella*

*Ephedra nevadensis*, on mesa

*Opuntia arborescens* abn.

" *englemanni* - 911 "

" *missouriensis* ? longspine

*Mammillaria* 1

*Yucca glauca* a few

*Espanola*

*Opuntia fragilis*, a few



*Euparula*  
*Eutamias*, *zoster*  
*Neotoma*  
*Peromyscus* *Truei*  
" *boylii*  
" *sonoriensis*

*Onychomys* 6  
*Perognathus*  
*Perodipus*  
*Thomomys* 2 holes  
*Lepus*  
*Cariacus*  
*Lynx*  
*Thryx*  
*Badger*  
*Beaver* reported  
*Otter* " *Tracks*  
*Procyon*

Oct. 19 *Euparula* 4 P.M.  
*Dipodomys spectabilis*  
*Santa Fe* 4 P.M.

*Lamy* 10 P.M.

Oct. 20 *Lamy* 11 A.M.  
*Dipodomys spectabilis* - com  
*Opuntia fragilis*, valley floor, com.  
*Forestiera* a few

*Albuquerque* 1 P.M.

Oct. 21, left Albuquerque 6 A.M.

*Coloada*  
*Larrea* - com on black soil  
*Baccharis* on S slopes  
*Prosopis pubescens* a few  
*Sacero* *Rhus virginiana* 1

*Urea* covered with *Larrea*  
*Rhus microphylla* com.  
*Ephedra trifurcata*? "  
*Prosopis pubescens* "

*San Marcial* 12 M.  
up on mesa

*Ipoea boeckia*? com  
" *radiosa*? abu.  
*Baccharis glutinosa*? "

*Engle* - *El Paso* 7 P.M.



Oct. 22 El Paso

Oct. 23 El Paso. 7 PM

Valentine 1 AM

Oct. 24 Valentine

Oct. 25 Valentine 7:30 AM

snowing

Prairie, ground white

Wheat, snow 3 inches deep

Marathon - no snow, raining.

Del Rio - dark on leaving

San Antonio - 11 PM,

Oct. 26 to fair

Oct. 27 Austin

Oct. 28 back to San Antonio

Oct. 29 - at fair

Oct. 30 - Sunday - out to Fort.

Oct 28 - Austin to San Antonio

Sturnella - abn. all along.

flocks of 10 to 50, & even 108

Sialia - common

Zenaidura macrura numerous

Cathartes aura com.

Uruba atr. abn.

Falco sparverius com

Buteo borealis 1

Accipiter velox 1

Coturnix vix - 2 flocks of doz. each

Cardinalis - a doz. in each

Mimus 3

Scardafula inea - 1 flock



Oct. 30 San Antonio

<i>Scardafila inca</i>	abn in town
<i>Passes domestic</i>	" "
<i>Megascops</i>	" "
<i>Zonotrichia</i>	com
<i>Chondestes</i>	"
<i>Amphispiza bilineata</i>	1
<i>Auriparus flaviceps</i>	1 at nest
<i>Mimus polyglottis</i>	a few
<i>Cardinalis</i>	2
<i>Cathartes aura</i>	2
<i>Uruba</i>	
<i>Falco sparverius</i>	1
<i>Sturnella</i>	com. + town
<i>Columbigallina</i>	2
<i>Zenaidura</i>	2
<i>Melanerpes carolinensis</i>	com
<i>Colinus v. texanus</i>	1 flock - 15
<i>Cyrinus</i>	2 in 300.
<i>Bubo</i>	4 in 200

Oct. 31 Seguin -

*Spizella* 1 in town

San Antonio

<i>Prosopis juliflora</i>	abn
<i>Acacia farnesiana</i> "huasache"	"
<i>Zizyphus</i>	abn
<i>Condalia</i>	
<i>Celtis pallida</i>	abn
"	the dog stream
<i>Lippia</i>	"
<i>Berberis trifoliata</i>	"
<i>Opuntia engelmanni</i>	"
" <i>leptocaulis</i>	"
<i>Phoradendron</i>	on mesquite + oak
<i>Tillandsia recurvata</i>	abn
" <i>usneoides</i>	
<i>Diospiros texana</i>	
<i>Ulmus crassifolia</i>	
<i>Quercus virginiana</i>	
"	
<i>Ulmus crassifolia</i>	
<i>Pean</i>	
<i>Parkinsonia aculeata</i>	abn. in town



Nov. 1. Sequim at Mr. Nail's

Agelaius vociferus com. heard  
 Colinus abn. 1 flock of 12 or 15  
 Zenaidura abn.  
 Columbignathus com. 6  
 Cathartes aura com.  
 Uruba otes "  
 Melanerpes carolinensis com.  
 Dryobates s. bairdi com. 5  
 Corvus rhodoneus com.  
 Accipiter velox 1  
 Falco sparverius com.  
 Sturnella neglecta abn.  
 Sayornis phoebe 2. com.  
 Zonotrichia com.  
 Porreites ~~gambelii~~ + ~~calurus~~ com.  
 Chondestes com.  
~~Coturniculus bimaeculatus~~ 1  
~~Passerulus s. caudatus~~ 1  
 Passerulus s. caudatus 1  
 Theopeltus bewicki 1  
 Amphispiza bilineata com.  
 Cardinalis "  
 Minus polyglottos "  
 Arriparus floricaps  
 Nov. 1

Regulus calendula 2 com.  
 Lanius 2 com.  
 Cyrenium nebulosum com. heard

Nov. 3

Sporotyto 3  
 Parabuteo u. bairdi 3  
 Coturniculus s. bimaeculatus com.  
 Parus c. agilis "  
 Tophaptano  
 Baeolophus atricristatus 3

Nov. 4

Oreoscoptes montanus 1  
 Megascops heard  
 Nov. 7

Otocoris 20

Nov. 8

Geococcyx 1  
 Spizella m. ochracea 3  
 Melospiza lincolni 1  
 Falco mexicanus 1  
 Quiscalus 1

Agelaius com.

Nov. 12  
 Thyothorus ludovicianus 3

Nov. 1.

Corvus brachyrhynchos heard



Nov. 3 - Seguin

<i>Prosopis</i>	abu
<i>Acacia formosa</i> ?	com
<i>Quercus virginiana</i>	"
" <i>nigra</i>	"
" "post oak"	"
"	"
<i>Ailanthus occidentalis</i> ?	com almost
" <i>palida</i>	com
<i>Ulmus crassifolia</i>	"
<i>Cordaleia</i>	"
<i>Ziziphus</i>	"
<i>Brasylodendron texana</i>	a few
<i>Berberis trifoliata</i>	com
<i>Opuntia engelmannii</i>	abu
" <i>leptocaulis</i>	"
<i>Cereus</i>	com
<i>Yucca stricta</i> ?	"
<i>Mammillaria treubiana</i>	a few
<i>Eysenhardtia angustifolia</i>	"
<i>Bumelia laurifolia</i>	"
<i>Toxylon pumila</i>	com
<i>Pean</i>	"
<i>Xanthoxylon clava hirculus</i>	"
<i>Solanum</i> 4	"
<i>Tillandsia usneoides</i>	abu
" <i>renovata</i>	"
<i>Phorodendron</i>	"
<i>Cratogeomys</i>	"
<i>Ceanothus</i>	"
<i>Forestiera</i>	"

Seguin

<i>Sceloporus floridanus</i>	1 sent
<i>Chamaeleon</i>	com.
<i>Pitophys</i>	1
<i>Bascanion flagellum</i>	several skins
<i>Eutamias</i>	"mouse on the" 2
<i>Copperhead</i>	a few reported
<i>Rattle snakes</i>	very rare.
<i>Squeaking frogs</i>	abu.

*Platanus trifoliata*

<i>Solanum capsicum</i>	
<i>Madrovernia</i>	
<i>Cucurbit</i> - prickly	
<i>Cucurbita</i>	
<i>Salix</i>	trees
<i>Smilax</i>	eat vines abu.
<i>Hickory</i>	
<i>Negundo</i>	
<i>Vitis</i>	
<i>Ulmus fulva</i> ?	1 big tree
<i>Sambucus</i>	
<i>Coccoloba</i>	
<i>Banana</i>	
<i>Passiflora aculeata</i>	



Sequim -  
Nov. 12 - hard frost

Nov. 13 - Sequim 12:45  
a few cotton fields not frosted

Luling

Lufkin - last of mesquite fruits.

Past oak country

*Sitta cavalliana* -

near Flatonia, Tex.

Flatonia Junction

Wide prairie, black soil.

good grass, little cotton

Engle

still prairie to

Shulenburg

still prairie

Columbus

Columbus

Nov. 14

*Cathartes aura*

a few

*Catharistyrax vocifer* 14

com

*Buteo borealis*

1

*Falco sparverius*

com

*Colinus*

"

*Curtus carolinus*

"

*Corvus brachyrhynchos*

a few

*Agelaius phoeniceus*

com

*Sturnella*

"

*Pooecetes*

"

*Passerculus*

a few

*Zonotrichia*

"

*Cardinalis*

com

*Sayornis phoebe*

"

*Geothlypis trichas*

1

*Mimus polyglottos*

com

*Passer domesticus* - com in town

*Anthus penicillatus* 0 6

*Agelaius vocifer*

heard

*Spizella*

heard

*Passerculus sandwichensis*

com



Columbus, Tex., Nov. 14

*Populus balsamifera* abn.  
*Picea* "  
*Juglans nigra* "  
*Hickory* several  
*Quercus virginiana*  
 " *nigra*  
 " *lobata*? post oak -  
 "  
*Ulmus fulva*  
 " *crassifolia*  
 "  
*Celtis*  
*Negundo*  
*Ornithoglossum* 2 species abn.  
*Ilex*  
*Galasacia*  
*Acacia farnesiana*  
*Sesban corallinesia*  
*Xanthoxylum clavaherules*  
*Sabal*  
*Yucca* 2  
*Opuntia vulgaris*  
 " *engelmanni* - rare  
*Platanus*  
*Salix*  
*Tillandsia usneoides*

Nov. 15. to Eagle Lake

Nov. 16 Eagle Lake

*Megascops asio* abn.  
*Euphagus cyanocephalus* "  
*Agelaius phoeniceus* "  
*Molothrus ater* "  
*Oxyechus vociferus* com  
*Passer domesticus* "  
*Zonotrichia albicollis* "  
*Poocetes gramineus* "  
*Cardinalis* "  
*Thryomanes*  
*Cinclus carolinensis* com  
*Zonotrichia leucophrys*?  
*Sayornis phoebe* com  
*Regulus calendula* "  
*Circus hudsonius* com  
*Buteo borealis* 1  
 " *latissimus*? 1  
*Accipiter* 1  
*Cathartes aura* com  
*Colaptes auratus* 1  
*Anas boschas* feathers, heard. abn.  
*Sturnella* com  
*Mimus polyglottos* com  
*Ceryle alcyon* 1  
*Fulica* com  
*Falco sparverius* 1  
*Anthus pennsylvanicus* com  
*Ardea herodias* 2  
*Passerculus clamor* com  
*Agelaius americana* abn.



Nov. 17,

Eagle Lake - 8 A.M.

big cotton fields at wind stop  
about 5 miles from Eagle Lake

Bonnie - cotton field green.  
half a mile N. of station.

Egypt - big cotton fields all green  
cottoning came

Fluor - all cotton -  
mostly green -

Wharton - cane & cotton -

Nov. 18.

Back to Eagle Lake.

Eagle Lake Nov. 19.

*Anthus pensilvanicus* abn

*Sayornis phoebe*

*Sturnella magna*, abn. 11 shot

neglecta, com 6 "

*Ardea herodias* bicolor abn

*Himantopus erythrogastrus* 1

*Lanius*

*Procyon*,

*Spizella*

a few  
1

Eagle Lake

Cherokee rose. abn

*Taxodium floridense* abn.

*Populus balsamifera*

*Crataegus*

small pointed

*Ilex*

same as at Col-

Pecan

Oaks



Nov. 17.

Eagle Lake - 8 A.M.

big cotton fields at road stop  
about 5 miles from Eagle Lake

Bonnie - cotton field green.

half a mile N. of station.

Egypt - big cotton fields all green  
cutting cane

Blue Flora - all cotton -  
mostly green -

Wharton - cane & cotton -

Nov. 18.

Back to Eagle Lake.

Eagle Lake Nov. 19.

*Anthus pensilvanicus* abn

*Sayornis phoebe*

*Sturnella magna*, abn. 11 shot

" *neglecta*, com 6 "

*Ictrocyba bicolor* abn

*Hirundo erythrogastrus* 1

*Lanius* com

*Proceris*, a few

*Spizella* 1

Eagle Lake

Cherokee rose abn

*Torylon pomelana* abn.

*Populus balsamifera*

*Crataegus* small pointed

*Ilex* same as at Col-

Pecan

Oaks



W. H. H. H.

<i>Agelaius vociferus</i>	afew
<i>Amelia</i>	1
<i>Nettion carolinensis</i> ?	1
<i>Zenaidura</i>	com
<i>Cathartes aura</i>	"
<i>Catharista uruba</i>	"
<i>Buteo borealis</i>	afew
" <i>lineatus</i>	1 killed
<i>Circus</i>	com
<i>Falco sparverius</i>	"
<i>Ceryle torquata</i>	1
<i>Melanerpes erythrocephalus</i>	com
<i>Curtus carolin</i>	
<i>Sphyrapicus vari</i>	
<i>Colaptes auratus</i>	
<i>Sayornis phoebe</i>	
<i>Corvus brachyrhynchus</i>	
<i>Euphagus cyanocephalus</i> ?	1
<i>Sturnella magna</i>	com
<i>Cardinalis</i>	"
<i>Passer domesticus</i> in town	"
<i>Passerculus alaudinus</i>	"
<i>Melospiza melodia</i> - 1 heard	
<i>Zonotrichia albicollis</i>	com
<i>Pooecetes</i>	"
<i>Harporhynchus rufus</i>	1
<i>Thryothorus ludovicianus</i>	1
<i>Sialia sialis</i>	6
<i>Mimus polyglottos</i>	com



Eagle Lake Nov. 20

Lysichiton - little town on big prairie  
good place for prairie work.  
East Bernard  
Bertrand Creek -  
Tayodan, com. dog es.  
leaves brown -



Liberty Nov. 21,

Acer

~~Liquidambar~~

Ulmus americana

Quercus phellos

willow  
~~of the~~  
pink oak

" falcata?

red

" nigra

"

" macrocarpa

" alba

" michauxii

shrubs

" virginianus

Telea americana pubescens

Fraxinus americana white ash

" viridis

Pinus taeda

" echinata

Taxodium

Toxylon pomiferum

Diospiros virginiana

Crataegus 2

"

Gleditsia triacanthos

Ilex opaca

" cassini

small

Bumelia lanuginosa

Hickoria pecan

" aquatica bitter pecan

"

Juglans nigra

~~4th~~  
Aralia

the

Morus rubra

"

Nyssa

Catalpa

Xanthoxylon dachtylolepis

Platanus

Vitis

Smilax

Morus nigra

Rhus toxicodendron

"

stag horn

Alnus

Ostrya

Populus deltoides

~~fraxinifera~~

Magnolia

Carpinus

Lespedeza bicolor

Wisteria

Marica

Calloscaja

Max. Mulberry

Betula

Viburnum lentiginos

Cornus

small bush

Pinus palustris

co. of Washington

Zugl. gen.

Ilex

3d sp.



Liberty & Farkington

*Colinus virginianus*  
*Cathartes aura*  
*Catherista rubra*  
*Buteo borealis*  
*Syrnium nebulosum*  
*Hirundo pilatus*  
*Colaptes auratus*  
*Ceryle carolinensis*  
*Melanerpes erythrocephalus*  
*Spizella socialis*  
*Sayornis phoebe*  
*Cyanocitta cristata*  
*Corvus brachyrhynchos*  
*Sturnella magna*  
*Cardinalis*  
*Zonotrichia leucophrys*  
*Pipilo erythrophthalmus* heard  
*Troglodytes*  
*Parus carolinensis*  
*Thryothorus ludovicianus*  
*Spizella pusilla*  
*Iridoprocne bicolor*  
*Wild Turkey*  
*Paroquet*  
*Pigeons*  
*Chen hyperborea*  
*Ardea herodias*  
*Oxyechus vociferus*  
*Merula migratoria*  
*Sialia sialis*

Two <sup>hog</sup> men killed 84 + 9 le  
bees in two years <sup>2 years ago</sup>  
Mr. Carter killed 22 at night  
with fire light.

*Cyanocitta cristata*  
*Dryobates* - coccals, 6  
*Dendroica coronata* abn  
*Anthus pensilvanicus*  
*Poetes gramineus*  
*Parus carolinus*  
*Ivory billed woodpecker*, a few.  
*Thryomanes*  
*Lanius*  
*Troglodytes*



Nov. 26. Carters Ranch

Gators Lake

Trong bills

Wood ducks

Brant

27. Trinity River -

to near Batson

Nov. 28. Batson

Prairie plants

Grass

Baptisia

Mupica

Ratibida ?

Saratoga + 7 mi. N.E. to

Oilwell camp

Dec. 3- to Hoantze + return.

Dec. 5. Biche camp

Saratoga

Sour Lake

Camp 3 mi N.E. of Sour L.

Dec. 6 -

Jerden's ranch

Don Griffins

Dec. 7- Back to Saratoga

Big Thicket plants

Dec. 1.

Pinus taeda

abn.

" palustris

a few

" echinata

"

Taxodium distichum

com.

Quercus alba

abn

" michauxii

"

" phellos? pin oak

"

" digitata spanish oak

com

" minor

"

Liquidambar

abn

Nyssa

"

"Tupla quassa"

rare

Magnolia foetida

abn

"

bay

"

"

"

sweet bay

"

Sassafras

com

Diospiros

"

Ostrya

"

Carpinus

rare

Platanus

"

Hickoria

"

"

rather green

"

"

thick shelled

com

"

shell bark

"

Juglans nigra

Acer

com

Zeha putrescens



<i>Ulmus americanus</i>	afew
" <i>crassifolia</i> <i>salata</i>	"
<i>Cornus florida</i>	abu
" <i>passum-haw</i>	"
"	"
<i>Viburnum lentiginosum</i>	ran
<i>Crataegus</i>	abu on prairie
"	"
<i>Ilex opaca</i>	abu
" <i>cassini</i>	"
" <i>"spatulata"</i>	scarce
<i>Azalea</i>	com
<i>Galaxaria</i>	"
<i>Vaccinium</i>	abu
"	gallberry
<i>Callicarpa</i>	com
<i>Cephalanthus</i>	"
<i>Merica</i>	abu
<i>Rhus</i>	com
"	"
<i>Cross vine</i>	stagbarn said to be com.
<i>Yellow jessamine</i>	abu
<i>Vitis</i>	grape
"	Ratan
<i>Wisteria</i>	com
<i>Leonardiana</i>	"
<i>Heterosperma?</i>	"
<i>Rhus toxicodendron</i>	abu
<i>Smilax</i>	fig
" <i>rotundifolia</i>	"
"	little
<i>Rubus</i>	blackberry

<i>Sabal</i>	abu.
<i>Arundinaria</i>	local
<i>Ephogrum</i>	abu in thicket
<i>Mitchella repens</i>	"
<i>Tree ferns</i>	many species
<i>Ground ferns</i>	"
<i>Mosses</i>	numerous
<i>Grass</i>	"
<i>Fraxinus americana</i>	com
" <i>veridus</i>	"
<i>Aralia</i>	"
<i>Populus</i>	1 Tree
<i>Rhamnus</i> or <i>Benzoin</i>	"
" <i>laxa</i> <i>lanceolata</i>	"





Dec. 8, Saratoga - 10 AM.  
 All the way through Thicket.  
 Bragg - in Thicket  
 To Chodland

Dec. 9 - Chodland  
 Navasota 12 PM.

Dec. 10 To 16 -  
 Out to Mr. Hardestup place

*Didelphys virginiana* - com  
*Tatusia novemcincta* 1, 5 mi. SW.  
*Sciurus ludovicianus* com

*Neotoma micropus*? com  
*Perognathus hispidus*, signs "  
*Geomys brevicauda* abn.  
*Lepus f. alacer* com.  
*p. allwateri* "

*Lynx*, tracks abn.  
*Procyon* "  
*Mephitis* com.  
*Spilogale indianola* "  
*Luticola* "

## Navasota

Pear - abn.  
 Hickories com

" "  
*Quercus nigra* com  
 " *alba* "

" pin oak abn

" *macrocarpa* - overcup a few

" red oak com.

*Populus deltoides* along river

*Platanus* a few

*Ulmus americana* "

" *crassifolia* com

*Negundo aceroides* "

*Xanthoxylum clavaherules* "

*Robinia aquatica* one seedling locust abn.

*Cercis* com

*Ailix* abn.

*Fraxinus* "

*Crataegus* Red Hawth "

" sugar haw "

*Ilex cassini* "

" *drichman* "

*Salix nigra*? along R.

" "

*Torylon pomifera* a few



Vitis	abn.
Leonora radicans	"
Wisteria	
Jasminum 1	
"Rattan"	abn.
Smilax rotundifolia	"
"	fig.
"	red berries
Rhus Toxicodendron	abn.
Schultzia	
Huesache	a few
Persea	abn.
Yucca	spec. a few
Sabal	"
Opuntia engelmannii	"
" vulgaris	"
Zillandria nesoides	abn.
Baptisia	

Navasota Dec. 10-15

Aix sponsa	3 Dec. 11
Ardea herodias	1 Dec. 12
<sup>oryzopsis</sup> Colinus v. texanus	3 Dec. 14.
	9
Zenaidura macroura	10 Dec. 15
Cathartes aura	abn.
Cathartes aura	"
Falco sparverius	com.
Syrnium nebulosum	"
Bryobates pubescens	1
Sphyrapicus varius	com.
Melanerpes erythrocephalus	"
Centurus carolinus	"
Coereba pipas	1
<sup>capitata</sup> Sialia sialis	com.
Sialia sialis	com.
Muscivora forficata	in swamps
Cyanocitta cristata	com.
Corvus brachyrhynchos	"
Euphagus carolinus	"
Sturnella magna	"
" neglecta	"
Astragalinus tristis	"
Passer domesticus	in towns
Poocetes g. confinis	"
Passerulus s. alaudinus	a few.
Zonotrichia albicollis	abn.
Spizella pusilla	a few
Melospiza cinerea	"
Passerella iliaca	com.
Pipilo erythrophthalmus	"
Cardinalis cardinalis	abn.



*Ampelis cedrorum* 9, Dec. 16  
*Lanius ludovicianus* com.  
*Dendroica coronata* "  
*Anthus pensilvanicus* abn.  
*Mimus polyglottos* "  
*Toxostoma rufum* "  
*Thryothorus ludovicianus* "  
*Thryomanes* "  
*Olbiorchilus hiemalis* 1  
*Basileophus atricristatus* com.  
*Parus carolinus* "  
*Regulus calendula* "  
*Hylocichla* "  
*Sialia sialis* "

New Orleans Dec. 18

*Podiceps* a few  
*Colymbus auritus* 2  
*Ceryle alcyon* 1  
*Megascops asio* com.  
 Black rat holes abn.  
*Sturnella* abn.

Dec. 14

Navasota, 4:35 P.M.  
Hempstead

Big prairie  
 Houston - Hotel Brazos

Dec. 17 Houston 6:30 A.M.

Morgan City  
*Tupla gum* abn.  
*Cypripis* "  
*Magnolia* (bay) "  
*Myrica* "  
*Palmetto* "  
*Cherokee rose* "

New Orleans 9 P.M.

Dec. 18 New Orleans 9:25 A.M.

Oranges ripening  
 Bananas rot posted  
 Cove off of Cypress & deciduous  
 trees

*Taxodium* *partida* abn.  
*Magnolia* (bay) "  
*Tupla gum* "  
*Myrica* "  
*Quercus virginiana* "  
 " *pin oak* "

Sabal

*Arundinaria* "  
*Ilex coccinea* "



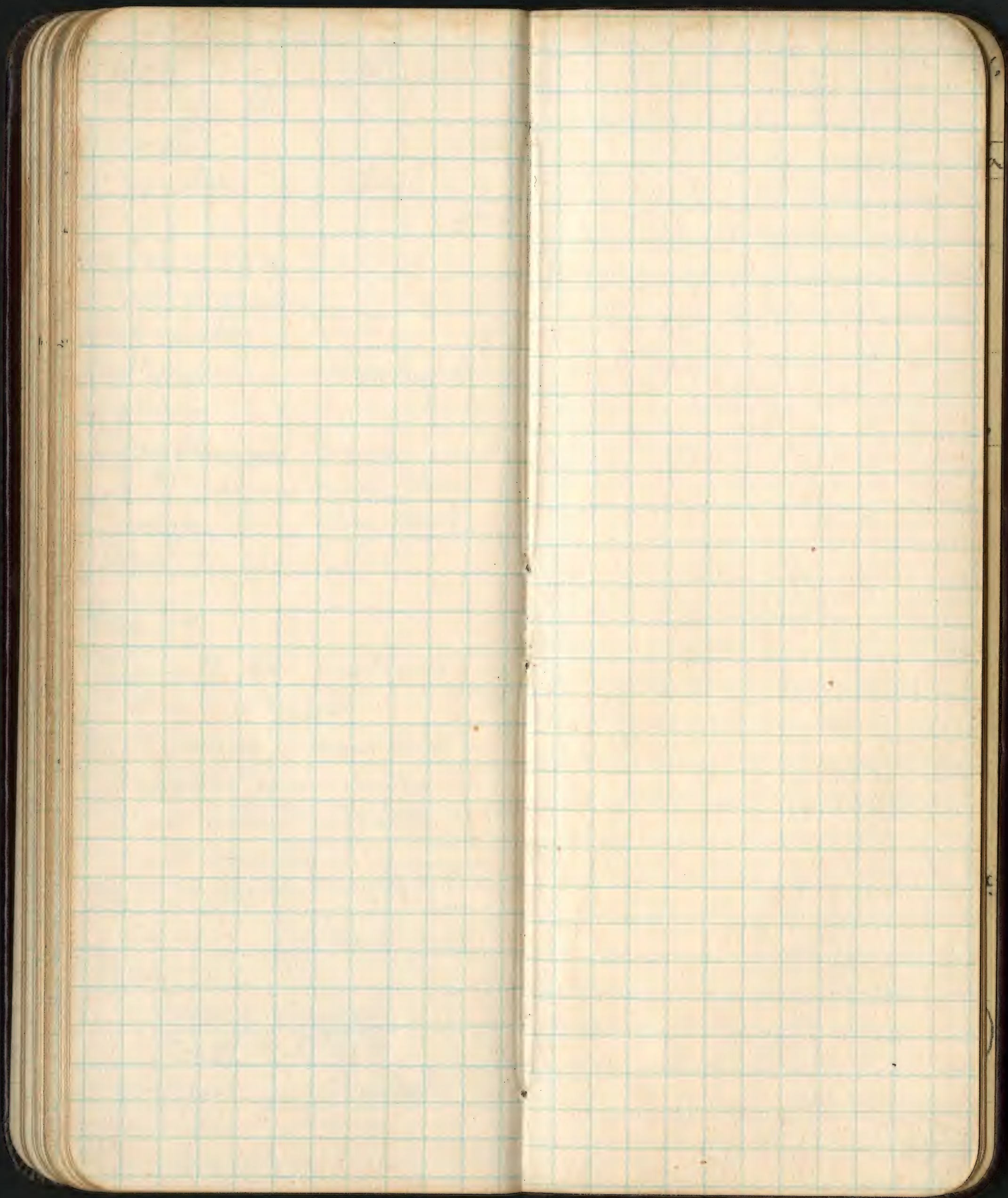
Bay St. Louis

Mobile extensive  
Swamps of  
Taxodium abn  
Magnolia (bays) 4  
" in places  
Nyssa -  
Tupela gum abn  
Thuja abn  
Juniper (calburys) 4  
Sabal 1  
Arundinaria 4  
Open piney woods again -  
Greenville - getting dark.  
Montgomery - dark -

Dec. 19

Greenville, S.C. daylight  
traces of snow  
Blacksburg - more snow  
Scrubby pine - mist -  
Poor woods + fields  
Soil washed + barren  
Charlotte N.C. 9:20 AM.  
Cotton the main crop  
Lansville Va.  
more snow  
Foot hills  
Orange - dark, 4.  
Washington







Rammerlus maculig



F. C. Stephens, Prof R., N.M.  
editor of the prospector  
wants Fauna of N. Mex.

## Modification of Zones

Altitude

Latitude

Base level

Slope exposure

Steepness of slope

Dryness

Base rock

Soil cover

Soil color

Broad or narrow slope

Shelter - of slope angle

" - of rocks

" - of vegetation

Cold streams, surface, subterranean

Cold air currents - canyons

Wind -

Narrow canyon bottom

Wide canyon bottom

Steepness of canyon bottom

Burns



Transportation Orders <sup>1904</sup>

Authorization no. 85, July 1, 1904

No. 20445, July 1. \$55.05

Washington to Presidio

No. 20446 - Albuquerque to El Paso \$10.00

" 20447 - Valentine to San Antonio 13.75

" 20448 - Houston to Washington 37.30



Mmanuel Mondragon  
Taos, N.Mex.

C. L. Pollard, Espanola

J. J. Dozier, Espanola  
Max West - 3610 Morgan Ave.

C. C. Battie, Espanola  
a trapper - write for obd.  
Stafford, Espanola

Juan Lopez  
Benedict - bu. Forestry  
mt of Santa Fe.

Geo. J. Stafford & Son,  
Espanola

G. W. Bond & Bro., Espanola

M. A. Earnest, Bequillas

McClure Sasser, Louisville, Colo.  
Lockbox 11

Mrs. M. A. Sasser, Center Point

Tom Hurley - Rinconada  
has bear trap

Henry Mathee, Trapper  
Columbus, Tex. <sup>horns \$6.00</sup>  
<sub>skulls .50</sub>

Mrs. May Steadman  
Columbus <sup>wants photo of hotel</sup>

Samuel Neel, Seguin, Tex.

Jim Sparks, Eagle Lake, Tex.

Ike Towell - Bay City, Tex.  
a bear hunter -

W. O. Victor, Wharton, Tex.  
for bear & wolves &  
gray fox.

Jim Dickson - darkie, Wharton

Judge A. G. Barber, for bear  
Wharton, Tex.

J. L. Browner, Seguin

J. F. Lyendickers - for notes on  
Fredericksburg, Tex. <sup>bear & wolves</sup>  
+ for specimens

W. S. Miller, Columbus, Tex.

Judge Mansfield,  
Columbus, Tex.

A. W. Carter & E. R. Morgan  
Tarkington, Texas, Liberty Co.

Loringo Carr <sup>N. of Butson</sup>  
Will Berryhill <sup>have killed bear lately</sup>

Thomas W. Byars, Columbus, Tex.  
lives 7 miles S.W. on Skull cr.  
gets Coyotes & wolves -

Hon. J. W. Zinke, Rock Island, Tex.  
for bear

John Needham, Tarkington, Tex.

Mr. Charles Hardisty, Novasota  
C. Elskamp,

<sup>u</sup>  
Zund Bollwinkel Bull, Fertilization,  
clown and papers

T. S. Palmer - 1604 - 13th



Amisito Baldes

Augustin Balardo

photos of self wife & daughter  
send prints for him to

<sup>H.H.</sup> Mrs. Johnson - agent at  
Dulce N.M.

Mrs Chas P. Koch

San Antonio, Tanners

211-213, S. Alamo St.

J.P. Bowden

Cleveland, Tex.

Son-in-law of Judge Hightower

J. Wright, Cleveland

Forestry bulls. & working plan

<sup>L.B.</sup> Judge Hightower, Cleveland

J. J. Flowers, Saratoga

Send photo of girls

get bear skins

W. E. Watson

Evergreen, Texas

<sup>\$1.00</sup> San Jacinto Co.

for Gray fox. other skulls

Can get *Cynepatus*

Wolf skulls 150.

~~650 x 180 x 1 2 inches~~

~~590 x 120 x 86 8~~

~~440 x 180 x 88 8~~

Hay, Burmen

Josh Flowers

Wiley & Sam Griffen/bros

Terden Settlement

near Soap Lake

Ben Hooks, Kentucky

J. B. Hooks

means 1404 M.

Chas. Peterson

Esparola

a good man

Capt. Lattle

825 Mt. Ave

Telephone N. 2133



